

## Gifts, Grants, and Contracts for February 2009

The following gifts, grants and contracts received by all campuses during the period February 1, 2009 through February 28, 2009 total \$15,582,841.

This report is also available for viewing at: [http://www.hawaii.edu/ors/Board\\_Reports.htm](http://www.hawaii.edu/ors/Board_Reports.htm)

### Research

#### DHHS-Dept of Health and Human Services

National Cancer Institute/NIH/DHHS	\$2,098,591
<u>Multiethnic Cohort Study of Diet and Cancer (VDPP: Rarer Cancers)</u>	
Laurence N Kolonel	Cancer Research Center
The goal of this supplemental project is to examine the relationship of vitamin D to the risk of several less common cancers.	
National Cancer Institute/NIH/DHHS	\$236,555
<u>Role of Cell Mediators in Asbestos - SV40 Carcinogenesis</u>	
Michele Carbone	Cancer Research Center
This proposal will be studying the hypothesis that asbestos and SV40 are co-carcinogens in causing malignant mesothelioma.	
National Institutes of Health/DHHS	\$78,826
<u>A Pooled Analysis of Mammographic Density and Breast Cancer Risk</u>	
Gertraud Maskarinec	Cancer Research Center
This project will provide new information on how body weight affects breast cancer risk related to breast density. These findings will be useful for breast cancer risk estimation and breast cancer prevention.	
National Institutes of Health/DHHS	\$297,781
<u>Effects of Soy on Estrogens in Breast Fluid and Urine</u>	
Gertraud Maskarinec	Cancer Research Center
Examine two alternate hormonal mechanisms of action for soy: modification of estrogen levels and epithelial cells directly in the breast and modulation of urinary estrogen metabolite patterns.	

#### DOD-Department of Defense

Department of the Air Force	\$5,695
<u>Operations and Management of the Maui Supercomputing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.	
Department of the Air Force	\$92,000
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Department of the Air Force	\$2,530
<u>Operations and Management of the Maui High Performance Computing Center</u>	
David K Lassner	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Department of the Air Force	\$489,775
<u>Operations and Management of the Maui Supercomputing Center</u>	
David K Lassner	Information Technology Services

## Gifts, Grants, and Contracts for February 2009

### Research

#### DOD-Department of Defense

Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

Department of the Navy \$16,527

Quantification of the Interacting Physical, Biological, Optical and Chemical Properties of Thin Layers in the Sea

Margaret Anne McManus Department of Oceanography

To continue and achieve the goals set forth in our funded proposal, "Quantification of the Interacting Physical, Biological, Optical and Chemical Properties of Thin Layers in the Sea."

Department of the Navy \$10,000

Tropical Cyclone Genesis and Sudden Changes of Trade and Intensity in the Western Pacific

Bin Wang Department of Meteorology

This proposal addresses a number of important issues relating to sudden changes in the track, storm scale structure, and intensity of the tropical cyclones in the western Pacific.

Department of the Navy \$28,216

Equipment supplement to Project Remote Monitoring of Dolphins and Whales in the High Naval Activity Areas in Hawaiian Waters

Whitlow W L Au Hawaii Institute of Marine Biology

Procure acoustic releases for 1,000 m depth.

Department of the Navy \$58,800

A Tropical Cyclone Genesis Forecast Model

Tim Li Department of Meteorology

To construct a tropical cyclone genesis model based on a nonlinear logistic method with the use of NOGAPS analysis and forecast fields.

#### DOE-Dept of Energy

Department of Energy \$978,048

National Marine Renewable Energy Center in Hawaii

Richard E Rocheleau Hawaii Natural Energy Institute

Conduct RD&D to promote the demonstration and commercialization of wave and other ocean power systems in Hawaii.

Department of Energy \$107,428

Development of new Biomarkers for Surficial Earth Processes

Hope Jahren Department of Geology and Geophysics

To investigate: the stable isotope signature of terrestrial biomarkers, when contextualized according to the composition of whole organism and fortified with knowledge about general biochemistry, comprises a chemical signature that integrates over the lifetime of the organism, or the pedogenic development of the soil.

## Gifts, Grants, and Contracts for February 2009

### Research

#### DOI-Dept of Interior

<p>Department of Interior  <u>Hawaiian Forest Bird Research (Fed)</u>          Sharon Ziegler-Chong Pacific Aquaculture-UHH          Research focusing on changes in the abundance and distribution of forest birds</p>	<p>\$15,000</p>
<p>U.S. Fish &amp; Wildlife Service/Department of the Interior  <u>Impact of Invasive Ants on Biota of Hawaiian Coastal Communities</u>          Kenneth Y Kaneshiro Pacific Biosciences Research Center          To provide services for wildlife management and to enhance the survivorship and productivity of seabirds on Oahu offshore island seabird sanctuaries.</p>	<p>\$4,320</p>
<p>U.S. Geological Survey/Department of the Interior  <u>Palila Restoration Research 2009</u>          Sharon Ziegler-Chong Pacific Aquaculture-UHH          Continue to analyze data, write reports, and monitor the palila population</p>	<p>\$70,000</p>
<p>U.S. Geological Survey/Department of the Interior  <u>Hawaiian Forest Bird Research: Publishing Bird Trends</u>          Sharon Ziegler-Chong Pacific Aquaculture-UHH          Complete data analysis and production of reports on the status and distribution of Hawn forest birds, including population estimates, distribution maps, and trends analysis</p>	<p>\$15,000</p>
<p>U.S. Geological Survey/Department of the Interior  <u>HCSU Unit Support &amp; General Activities 2009</u>          Sharon Ziegler-Chong Pacific Aquaculture-UHH          Support research programs of the USGS BRD PIERC related to the ecological, environmental and sociocultural management of natural and cultural areas and other components of DOI agencies</p>	<p>\$147,299</p>
<p>U.S. Geological Survey/Department of the Interior  <u>Koa Ohia Community Ecology: Food Webs</u>          Sharon Ziegler-Chong Pacific Aquaculture-UHH          Identify major arthropod prey of forest birds, including their young and the bat using microscopic examination of stomach lavage (birds) and fecal samples (birds and bat)</p>	<p>\$10,000</p>

#### Hawaii- Business and Other

<p>Hawaii Council for the Humanities  <u>Ha Kam Wi Tawk Pidgin Yet? Researching Local Identity Through Language</u>          Christina M Higgins Department of Second Language Studies          This project will research the learning experiences of Oahu high school students as they research local identity by investigating how Hawai'i Creole (Pidgin) is used in their communities. The research will involve interviews and monitoring of students' learning journals as they participate in a classroom project together.</p>	<p>\$9,749</p>
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## Gifts, Grants, and Contracts for February 2009

### Research

#### Hawaii- Business and Other

Hawaii Ocean Technologies, Inc.	\$30,096
<u>Development of Hatchery Stock in Bigeye Tuna</u>	
Kevin D Hopkins	Pacific Aquaculture-UHH
Creation of hatchery stock in bigeye tuna	
Hawaiian Shellfish, LLC	\$256,850
<u>Development of Bivalve Hatchery Methods for Hawaii</u>	
Maria C. Haws	Pacific Aquaculture-UHH

#### Hawaii- Government Agencies

DLNR-Division of Aquatic Resources	\$29,979
<u>Grazer Impacts on Invasive Algae</u>	
Celia M Smith	Department of Botany
This proposal will aid the Division of Aquatic Resources, Department of Land and Natural Resources manage invasive alien algae by providing information on which algae particular fish species eat.	
Hawaii-Dept of Health	\$299,980
<u>State Prevention Framework State Incentive Grant Evaluation</u>	
Sylvia H L Yuen	Center on the Family
Conduct evaluation of key processes and outcomes of the Hawaii State Prevention Framework State Incentive Grant Project (SPF-SIG) at the state, community, and program levels.	
Hawaii-Dept of Health	\$59,160
<u>State Prevention Framework State Incentive Grant (SPF SIG) Epidemiology</u>	
Claudio R Nigg	Office of Public Health Studies
The contract will be with the State of Hawaii, Department of Health, Alcohol and Drug Abuse Division, to provide epidemiological support for the Hawaii Strategic Prevention Framework State Incentive Grant (HI SPF-SIG) project, which is designed to reduce substance abuse in Hawaii.	
Hawaii-Dept of Land & Natural Resources	\$15,000
<u>Hawaiian Forest Bird Publishing</u>	
Sharon Ziegler-Chong	Pacific Aquaculture-UHH
Research focusing on changes in the abundance and distribution of forest birds	
Hawaii-Dept of Land & Natural Resources	\$113,255
<u>Kauai Endangered Forest Bird Conservation Research and Management</u>	
David C Duffy	Department of Botany
Continue research and field management to restore the endangered Puaiohi and other endangered native Kauai forest birds.	

## Gifts, Grants, and Contracts for February 2009

### Research

#### Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources \$81,000  
Coordination of the Ko`olau Mountains Watershed Partnership, FY 09  
 Clifford W Morden Department of Botany  
 Coordinate the research and management of watershed conservation n the Koolau Mountains on Oahu.

#### Hawaii- Health Organizations

University Clinical, Education & Research Assoc. (UCERA) \$91,279  
UCERA - Hoana Medical  
 Lawrence P A Burgess John A. Burns School of Medicine  
 Provide general support for evaluation and development of research and development activities for Hoana Medical, Inc.

University Clinical, Education & Research Assoc. (UCERA) \$132,381  
UCERA - Telehealth Development  
 Lawrence P A Burgess John A. Burns School of Medicine  
 Provide administrative direction and general support for development of research activities for the Telehealth Research Institute's projects.

#### Hawaii- Non-Profit Organizations

Big Island RC&D Council, Inc \$15,950  
Korean Natural Farming: A New Waste Management System for Small Swine Farms  
 Michael W Duponte Department of Human Nutrition, Food and Animal Sciences  
 Study of a waste management system for swine.

HCF-Medical Research Funds \$50,000  
Impedance Cardiography Versus Echocardiography to Monitor Cardiac Function Before, During and After Labor  
 Janet Burlingame Department of Obstetrics, Gynecology, and Women's Health  
 Significant maternal structural/physiological changes occur during pregnancy, but have been mostly studied using invasive or echo-based techniques. Measurements of cardiac function at three times points during pregnancy, namely, prior to labor, during labor, and postpartum, will be statistically similar whether they are read using impedance cardiography or echocardiography.

Learning Disabilities Association of Hawaii (LDAH) \$30,000  
LDAH Preschool Screening Project  
 Jean Lee Johnson Center on Disability Studies  
 Analyze data provided by the LDAH Project "Ekolu Eha Ike Pono" to assess short-term outcomes and project outcomes, which shall include the following measurement indicators.

University of Hawaii Foundation \$2,000  
Seafloor Hydrothermal Research  
 Fernando Martinez Hawaii Institute of Geophysics and Planetology  
 Further the instructional and research objectives of the University of Hawaii with the study of seafloor hydrothermal systems including sea-going expeditions, student training, and research into the formation, nature and evolution of seafloor hydrothermal systems.

## Gifts, Grants, and Contracts for February 2009

### Research

#### Mainland- Business and Other

AmericaView	\$23,989
<u>StateView Program Development and Support for the State of Hawaii</u>	
Robert Wright	Hawaii Institute of Geophysics and Planetology
Promoting the use of satellite remote sensing in the State of Hawaii through education, outreach and research. Archive satellite data relevant to the State of Hawaii.	
Black and Veatch	\$8,000
<u>Island of Hawaii Wood Resource Assessment for HELCO</u>	
Charles M Kinoshita	College of Tropical Agriculture and Human Resources
Estimate the sustainable wood supply on the Big Island that could be used as a fuel source by Hawaii Electric Company for the generation of electric power.	
Genzyme Corporation	\$25,214
<u>TGF Beta Investigation in Mesothelioma Specimens</u>	
Michele Carbone	Cancer Research Center
The purpose of this investigation is to access the presence of TGF beta and its receptor in different mesothelioma specimens obtained from humans, hamster, and mice.	
Incode Biopharmaceutics	\$135,691
<u>Experimental and Preclinical Evaluation of HC3-1496</u>	
Carl-Wilhelm Vogel	Cancer Research Center
The human C3/cobra venom factor hybrid protein, HC3-1496 is able to exhaustively activate serum complement in vitro and in vivo in primates with no harm to the animal. The goal of this work is to examine different expression systems for the production of the protein, and to examine efficacy in disease models. The ultimate goal is to start clinical trials of the protein as a therapeutic.	
Novo Nordisk, Inc	\$109,147
<u>(LEAD-3):Effect on Glycemic Control of Two Doses of Liraglutide versus Glimepiride in Type 2 Diabetes [A 52-Week (with 52-Week Open-Label )</u>	
Richard F Arakaki	Department of Medicine
To assess and compare the efficacy of Liraglutide monotherapy versus glimepiride monotherapy on glycemic control in subjects with Type 2 diabetes previously treated with diet and exercise or single oral antidiabetic agent at not more than half-maximum recommended dosage for at least two months.	
Pfizer Inc., U.S. Pharmaceuticals Group	\$13,810
<u>An Observational Follow-up Study of Patients Previously Enrolled in Exubera Controlled Clinical Trials</u>	
Richard F Arakaki	Department of Medicine
This is a non-interventional, data collection study that will follow-up with patients previously participating in controlled clinical trials of the Pfizer product Exubera.	
Seagate Technology LLC	\$62,256
<u>Burst-Error-Correcting Codes for Data Storage Channels</u>	
Aleksandar Kavcic	Department of Electrical Engineering
Develop burst error correcting capabilities for quasi-cyclic LDPC codes for use in data storage channels. Generalize the approach to guarantee not only correction of a single long error burst, but also that of multiple short bursts. Evaluate all performances on intersymbol interference channels representative of realistic data storage systems.	

## Gifts, Grants, and Contracts for February 2009

### Research

#### Mainland- Business and Other

Seagate Technology LLC \$48,612  
Burst-Error-Correcting Codes for Data Storage Channels  
 Aleksandar Kavcic Department of Electrical Engineering  
 Develop burst error correcting capabilities for quasi-cyclic LDPC codes for use in data storage channels. Generalize the approach to guarantee not only correction of a single long error burst, but also that of multiple short bursts. Evaluate all performances on intersymbol interference channels representative of realistic data storage systems.

#### Mainland- Non-Profit Organizations

Alzheimer's Drug Discovery Foundation \$85,000  
New Methods to Explore Marine Resources for Alzheimers Disease Drug Leads  
 Philip Williams Department of Chemistry  
 Development of an Alzheimer's screening assay.

Broad Medical Research Program \$109,423  
The Relationship of a "Crohn's Disease Diet" in Reducing Symptoms of Crohn's Disease, Improving Quality of Life, and Decreasing Health Care Costs  
 Amy C. Brown Department of Human Nutrition, Food and Animal Sciences  
 This pilot clinical trial will determine whether a newly developed "Crohn's disease diet" derived from evidenced-based medicine research is an effective complementary treatment for Crohn's disease.

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$78,375  
Mineralogical Mapping of the Moon  
 Paul Lucey Hawaii Institute of Geophysics and Planetology  
 Use remote sensing to study the composition of the lunar surface.

National Aeronautics & Space Administration \$215,000  
Support Services, Maintenance and Calibration of the TLRs-4 System  
 Jeffrey R. Kuhn Institute for Astronomy  
 To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution.

National Aeronautics & Space Administration \$3,700,000  
The NASA IRTF: Solar Systems Observations and Mission Support  
 Rolf-Peter Kudritzki Institute for Astronomy  
 To collaborate with the National Aeronautics and Space Administration in providing the necessary engineering, operations, maintenance and administrative services to operate and support the Infrared Telescope Facility at Mauna Kea, Hawaii including improvements to the instrumentation and the telescope optical and mechanical systems.

National Aeronautics & Space Administration \$267,724  
The NASA Infrared Telescope Facility: Mission Support and Solar System Observations  
 Alan Tokunaga Institute for Astronomy

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### Research

#### National Aeronautics and Space Administration

We propose to provide NASA with observations and research data aimed at providing support of spacecraft missions and basic research in support of the Planetary Astronomy program.

#### National Science Foundation

National Science Foundation	\$485,000
<u>Collaborative Research: Biodiversity Survey of Freshwater Algae of the Hawaiian Islands</u>	
Alison Ruth Sherwood	Department of Botany
We propose to document the biodiversity of freshwater and subaerial algae in the main Hawaiian Islands through a combination of collecting expeditions, morphological and molecular characterization of samples. We will organize and disseminate our data through a specially designed internet-accessible database.	
National Science Foundation	\$33,106
<u>Graduate Research Fellowship Program</u>	
Rose Tseng	Chancellor, University of Hawaii at Hilo-UHH
National Science Foundation	\$14,000
<u>Functional Approaches to the Origin of the Bilaterally Symmetrical Body Plan in Animal Development</u>	
Mark Q. Martindale	Pacific Biosciences Research Center
To document anatomical features of bilateral symmetry in the nervous system of "simple" animals (sea anemones) and to investigate whether the molecular basis for bilaterality is the same in this group as it is in "higher" animals.	
National Science Foundation	\$123,209
<u>CAREER: Secure Communication via Source and Channel Randomness</u>	
Yingbin Liang	Department of Electrical Engineering
Theoretical research in information security.	
National Science Foundation	\$114,669
<u>A Comparison of Aerosol Organic Carbon Measurements and Models in the Free Troposphere at MLO</u>	
Barry J Huebert	Department of Oceanography
We are proposing to measure carbon-containing aerosol particles (OC) at the Mauna Loa Observatory, to determine how important these particles are for radiative forcing of climate. We will also conduct a comparison between the OC we measure and the OC predicted by several numerical aerosol models.	
National Science Foundation	\$99,000
<u>Collaborative Research: Eclipse Observations of Heavy Ions, Neutrals and Dust Grains in the Solar Corona</u>	
Shadia R Habbal	Institute for Astronomy
Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for the exploring the physics of the corona and the acceleration region of the solar wind.	



## Gifts, Grants, and Contracts for February 2009

### Research

#### US Colleges and Universities

University of Louisiana	\$89,702
<u>Seamount Octocoral Taxonomy: Subcontract to U Louisiana - Lafayette</u>	
Les Watling	Department of Zoology
Identify and describe all species of octocorals collected on NOAA OE sponsored cruises and new material collected during Bahamas cruise in 2009.	
University of New Mexico	\$29,059
<u>Direct and In Situ Determination of Immobilized Activity and Loading</u>	
Michael J Cooney	Hawaii Natural Energy Institute
In this work it is proposed to use 1) quantitative fluorescence and 2) imaging ellipsometry coupled to quartz crystal microbalance to quantify immobilized enzyme and loading.	

<b>Subcount:</b>	<b>57</b>		<b>Subtotal:</b>	<b>\$11,849,056</b>
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### Non-Research

#### DHHS-Dept of Health and Human Services

DOH-Public Health Service	\$86,000
<u>Family Planning Services at UH Hilo (Fed)</u>	
Carolyn Lesnett	Vice Chancellor for Student Affairs-UHH
Provide family planning services to students/faculty at UH Hilo	

#### DOD-Department of Defense

Air Force Office of Scientific Research	\$55,000
<u>A Radar Calibration Nanosatellite</u>	
Wayne Akira Shiroma	Department of Electrical Engineering
Train undergraduate students through design and build of a radar calibration nanosatellite.	

#### Federal Agencies

NOAA-National Ocean Service (NOS)	\$87,000
<u>Dean John A. Knauss Marine Policy Fellowship</u>	
Darren K Okimoto	Sea Grant College Program
Provide educational experience in the policies and processes of the legislative and executive branches of the federal government to graduate students in marine and aquatic-related fields.	

#### Foreign

CNMI Governor's Council on DD (Northern Marianas)	\$28,000
<u>CNMI Family Service Center (FSC)</u>	
Robert A Stodden	Center on Disability Studies
Provide training and support for staff, family members, and local service providers. Develop FSC publications. Plan annual family support conferences. Evaluate family services and training. Disseminate information about CNMI FSC. Develop local financial and systems supports.	

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### Foreign

KEK High Energy Accelerator Research Organization	\$70,000
<u>TARGET: Next Generation Readout ASIC: High Performance Waveform Sampling</u>	
Gary S Varner	Department of Physics and Astronomy
Supply TARGET ASIC, a 17 channel waveform sampler (16 channels + 1 reference), including testing, documentation and extensive engineering application support.	
Western Indian Ocean Marine Science Association	\$20,520
<u>Pearl Farming &amp; Jewelry Making in Zanzibar: Empowering Women Economically</u>	
Maria C. Haws	Pacific Aquaculture-UHH
Build capacity among women pearl farmers and jewelry makers and the technical assistance providers that support their efforts	

#### Hawaii- Business and Other

Kamehameha Schools	\$163,907
<u>Provide Academic and Skill Training Support for CNA to LPN to RN Pathway</u>	
Jamie A. Boyd	Chancellor, Windward Community College
Providing training, classroom instruction and internships in the field of Certified Nurse Aide.	
Kamehameha Schools	\$177,028
<u>Provide Academic and Skill Training Support for CNA to LPN to RN Pathway</u>	
Jamie A. Boyd	Chancellor, Windward Community College
Providing training, classroom instruction and internships in the field of Certified Nurse Aide.	
Kamehameha Schools	\$187,785
<u>Provide Academic and Skill Training Support for CNA to LPN to RN Pathway</u>	
Jamie A. Boyd	Chancellor, Windward Community College
Providing training, classroom instruction and internships in the field of Certified Nurse Aide.	
Malama Kahalawai Inc	\$25,000
<u>Habitat Protection and Restoration of the West Maui Mountains: Kapilau Ridge</u>	
Clifford W Morden	Department of Botany
Complete ungulate proof fences to protect endangered critical habitats on Kapilau ridge in west Maui.	
Research Corp, University of Hawaii	\$27,992
<u>Triple Helix Online Community Support</u>	
Daniel D Suthers	Department of Information and Computer Sciences
Provide software development, hosting and support for Triple Helix online community.	
Resource Mapping, LLC	\$6,000
<u>Weed Mapping Image Interpretation</u>	
Gail M Makuakane-Lundin	Vice Chancellor for Student Affairs-UHH
Training Native Hawaiian students at UHH and HawCC to analyze aerial imagery for invasive plant species mapping	

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### Hawaii- Business and Other

Resource Mapping, LLC \$6,000  
Weed Mapping Image Interpretation  
 Gail M Makuakane-Lundin Vice Chancellor for Student Affairs-UHH  
 Training Native Hawaiian students at UHH and HawCC to analyze aerial imagery for invasive plant species mapping

#### Hawaii- Government Agencies

County of Maui \$500,000  
Expansion of Allied Health Programs at Maui Community College.  
 Nancy K Johnson Chancellor, Maui Community College  
 Continue expanded enrollments in Allied Health Department nursing and dental assisting program and admit students to new AS Dental Hygiene Program.

County of Maui \$275,000  
Maui Community Care Corps  
 Clyde M Sakamoto Chancellor, Maui Community College  
 Implement activities to increase workforce and promote a home and community based services system for older persons and people with disabilities.

Hawaii-Dept of Health \$142,100  
HTH-560-CW-002, Title X Family Planning Services University of Hawaii-Kauai Community College Campus Wellness Center  
 Charlene Ono Chancellor, Kauai Community College  
 Expand family planning services to high-risk populations and community education through outreach.

Hawaii-Dept of Health \$86,000  
Family Planning Services at UH Hilo  
 Carolyn Lesnett Vice Chancellor for Student Affairs-UHH  
 Provide family planning services to students/faculty at UH Hilo

Hawaii-Dept of Human Services \$73,409  
Divert At-Risk Youth from Incarceration  
 Marilyn Brown Social Sciences-UHH - Division Office  
 Provide evaluation services for Ke Kama Pono Safe House Program

Hawaii-Dept of Land & Natural Resources \$114,548  
Hawaii Shoreline Specialist Position  
 E Gordon Grau Sea Grant College Program  
 Provide technical assistance on shoreline location criteria around the state in collaboration with the State Dept. of Land & Natural Resources and the Dept. of Accounting & General Services.

Hawaii-Dept of Land & Natural Resources \$47,468  
Assistant Extension Agent/Coastal Lands Specialist  
 E Gordon Grau Sea Grant College Program

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### Hawaii- Government Agencies

Provide assistance on important issues of coastal hazards, mapping, beach nourishment, coastal erosion mitigation and coastal dependent development utilizing traditional extension methods.

Hawaii-Dept of Land & Natural Resources	\$45,208
<u>Assistant Extension Agent/Coastal Lands Specialist</u>	
E Gordon Grau	Sea Grant College Program
Provide assistance on important issues of coastal hazards, mapping, beach nourishment, coastal erosion mitigation and coastal dependent development utilizing traditional extension methods.	
Hawaii-Dept of Land & Natural Resources	\$2,000
<u>Supersucker Technologies and Kaneohe Bay Restoration</u>	
Celia M Smith	Department of Botany
This proposal will aid the Division of Aquatic Resources, Department of Land and Natural Resources by allowing presentation of collaborative research at a national meeting.	
Hawaii-Dept of Land & Natural Resources	\$40,000
<u>Conservation Management for Rare Plant Species within Kauai Hunting Units</u>	
David C Duffy	Department of Botany
Support maintenance of ungulate-proof fences in state natural area reserves hunting units, and outplant endangered native plants and control invasive plants.	
Hawaii-Dept of Land & Natural Resources	\$9,067
<u>GIS Assessment of Forest Conditions and Long-term Resource Strategy</u>	
Tomoaki Miura	Department of Natural Resources and Environmental Management
The Department of Natural Resources and Environmental Management (NREM) at the University of Hawaii at Manoa will assist DLNR by assigning part-time research intern to conduct research, geographic information system (GIS) analysis, and technical writing for the Assessment and Strategy.	
Hawaii-Dept of Transportation	\$8,000
<u>Historic Report on Kawaiili Bridge</u>	
Spencer Leineweber	School of Architecture
Historic report concerning the eligibility of Kawaiili Bridge to the National Register of Historic Places.	
Hawaii-State Foundation on Culture & the Arts	\$30,000
<u>ARTS FIRST Evaluation for the SFCA</u>	
Paul R Brandon	Curriculum Research and Development Group
Evaluate the Artists in the Schools and the Artistic Teaching Partners programs for the ARTS FIRST Partners.	
Maui-Off of Economic Development	\$5,000
<u>Maui Island Sustainable Living Exposition (Maui ISLEexpo)</u>	
Clyde M Sakamoto	Chancellor, Maui Community College
The 1st Annual Maui ISLEexpo will offer: a variety of presentations and panel discussions from leading	

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### Non-Research

#### Hawaii- Government Agencies

sustainability experts; eco-documentary screenings; edutainment and sustainability-related exhibits; and healthy, local foods and Hawaiian cultural learning opportunities. This event will be open to the public. A significant attendance from a diverse audience is expected.

Maui-Off of Economic Development	\$133,000
<u>UH-CTAHR Extension and Research Projects in Maui County FY2009</u>	
Harold H Keyser	College of Tropical Agriculture and Human Resources
Conduct extension and research activities in Maui County by CTAHR faculty that benefit the agricultural community, enhance the environment, and promotes healthy communities.	

#### Hawaii- Health Organizations

Hawaii Medical Service Assoc Foundation	\$75,506
<u>Epocrates/PDA Grant Proposal</u>	
Ronald Taniguchi	Chancellor, University of Hawaii at Hilo-UHH
Provide hardware and software tools to pharmacy students during their formative educational phase	

#### Hawaii- Non-Profit Organizations

Hawaii Hotel & Restaurant Industry Empl & Trng Trst (HARIETT)	\$115,262
<u>Hotel and Restaurant Industry Training</u>	
Carol A Hoshiko	Chancellor, Kapiolani Community College
The HARIETT program is tasked to coordinate with DLIR Apprenticeship Division to ensure proper registration and standards are met. The program provides pre-apprenticeship, post-apprenticeship and related instructions. The two main responsibilities of the office is to monitor Daily Progress Reports and provide the proper developmental on-the-job training hours and classes.	
Tri-Isle Resource Conservation & Development Council	\$26,775
<u>Expanding Forest Recovery Project to Upper Hana Forest Reserve: Phase 1, Initiation of Upper Hana Forest Reserve Fence Background and Project Overview</u>	
Clifford W Morden	Department of Botany
Protect upper Hana Forest Reserve from ungulate damage.	
University of Hawaii Foundation	\$25,000
<u>Contemporary Challenges in Microbial Oceanography</u>	
David M Karl	Department of Oceanography
To train the next generation of scientists in the discipline of microbial oceanography.	
University of Hawaii Foundation	\$10,000
<u>Confucius Institute Support</u>	
Rosita Ping-Hwa Chang	Center for Chinese Studies
Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations.	

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### Hawaii- Non-Profit Organizations

<p>University of Hawaii Foundation  <u>Teaching Korean Pronunciation</u>  Mee Jeong Park                                      Department of East Asian Languages and Literatures  Pay for Graduate Research assistant salary.</p>	<p>\$1,000</p>
<p>University of Hawaii Foundation  <u>Osher Lifelong Learning Institute</u>  Richard A Dubanoski                                      College of Social Sciences  To provide partial funding for Director of the Osher Lifelong Learning Institute for the period 04/01/08 - 03/31/09.</p>	<p>\$49,795</p>
<p>University of Hawaii Foundation  <u>Teaching Korean Pronunciation</u>  Mee Jeong Park                                      Department of East Asian Languages and Literatures  Pay for Graduate Research assistant salary.</p>	<p>\$2,000</p>
<p>University of Hawaii Foundation  <u>English Language Training Capacity at Hanoi University, Vietnam Fund</u>  Tung X Bui                                      Shidler College of Business  Strengthen english language pedagogy &amp; capacity in Vietnam.</p>	<p>\$58,000</p>
<p>University of Hawaii Foundation  <u>Journal of Natural Resources Policy Research</u>  Chennat Gopalakrishnan                                      Department of Natural Resources and Environmental Management  To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.</p>	<p>\$5,000</p>
<p>University of Hawaii Foundation  <u>UH Sea Grant College Program Extension Coordinator</u>  E Gordon Grau                                      Sea Grant College Program  To establish a position for a UH Sea Grant College Program Extension Coordinator to be primarily dedicated to the Waikiki Ecosystem Restoration Project.</p>	<p>\$52,307</p>
<p>University of Hawaii Foundation  <u>Hawaii Family Support Institute</u>  Jon K Matsuoka                                      School of Social Work  To provide support of Hawaii Family Support Institute projects.</p>	<p>\$21,870</p>

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### Mainland- Business and Other

Boeing Laser Technical Services	\$15,000
<u>NFIRE Lasercom</u>	
Daniel Ogara	Institute for Astronomy
Provide electrical and computer cables to Maui facility. Provide access to 2 technicians to Maui facility.	

#### Mainland- Non-Profit Organizations

Lawrence University, ArtsBridge America	\$8,000
<u>University of Hawaii at Manoa ArtsBridge America Teaching Internship</u>	
Amy Schiffner	Art Dept-UHH
UHM students will partake in pre-service teaching internships at local elementary schools. The focus of the internship is to bring arts education back into classroom curriculum. Intern teachers will work side by side with experienced classroom teachers and ArtsBridge mentors to develop and implement highly effective arts integrated lessons.	

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration	\$40,000
<u>Lunar Analog Field Demonstration</u>	
Franklin Schowengerdt	Natural Sciences-UHH

#### National Science Foundation

National Science Foundation	\$179,838
<u>Invention Factory</u>	
Thomas W Speitel	Curriculum Research and Development Group
CRDG with Archimedes Hawaii will establish a three-year workshop and summer training program for teenagers to participate in hands-on production of accessible electronics and Information Technology for the handicapped and elderly. The goal is to encourage the pursuit of careers in science and engineering by students who are underrepresented in those fields.	

#### US Colleges and Universities

Jackson State University	\$20,000
<u>C-More Stars Internship Program</u>	
Barbara Bruno	Department of Oceanography
This internship program aims at promoting diversity in the geosciences, particularly among Native Hawaiians, Pacific Islanders and other students from under-represented groups. The content focus is microbial oceanography. Students will be closely supervised by faculty mentors.	
Kirkwood Community College	\$392,967
<u>Community College Summit Initiative Program (CCSIP)</u>	
Leon Richards	Chancellor, Kapiolani Community College
Provide quality educational programs, professional development, employment skills and first-hand understanding of American society to underserved, non-elite international students to enable them to contribute to their home nation's future economic and democratic development.	

## Gifts, Grants, and Contracts for February 2009

### Non-Research

#### US Colleges and Universities

Kirkwood Community College \$112,276

Community College Summit Initiative Program (EGYPT)

Leon Richards Chancellor, Kapiolani Community College

Provide quality educational programs, professional development, employment skills and first-hand understanding of American society to underserved, non-elite international students to enable them to contribute to their home nation's future economic and democratic development.

University of Rhode Island \$57,157

Sustainable Coastal Communities

Maria C. Haws College of Agriculture, Forestry-UHH

University of Wyoming \$15,000

SARE Professional Development Program Plan for Hawaii - Annual Budget Request

Jonathan L Deenik Department of Tropical Plant and Soil Sciences

To provide workshops, demonstrations, and educational materials about soil quality, cover cropping and alternative marketing for CES and NRCS training.

**Subcount:** **49** **Subtotal:** **\$3,733,785**

**Count:** **106** **Total:** **\$15,582,841**



## Funds Received from UH Foundation for 02/01/2009 - 02/28/2009

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation "English Language Training Capacity at Hanoi University, Vietnam Fund" Bui, Tung X                                  Shidler College of Business Strengthen english language pedagogy & capacity in Vietnam.	\$58,000
University of Hawaii Foundation "Confucius Institute Support" Chang, Rosita Ping-Hwa                  Center for Chinese Studies Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations.	\$10,000
University of Hawaii Foundation "Osher Lifelong Learning Institute" Dubanoski, Richard A                  College of Social Sciences To provide partial funding for Director of the Osher Lifelong Learning Institute for the period 04/01/08 - 03/31/09.	\$49,795
University of Hawaii Foundation "Journal of Natural Resources Policy Research" Gopalakrishnan, Chennai              Department of Natural Resources and Environmental Management To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennai Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	\$5,000
University of Hawaii Foundation "UH Sea Grant College Program Extension Coordinator" Grau, E Gordon                                  Sea Grant College Program To establish a position for a UH Sea Grant College Program Extension Coordinator to be primarily dedicated to the Waikiki Ecosystem Restoration Project.	\$52,307
University of Hawaii Foundation "Contemporary Challenges in Microbial Oceanography" Karl, David M                                  Department of Oceanography To train the next generation of scientists in the discipline of microbial oceanography.	\$25,000
University of Hawaii Foundation "Hawaii Family Support Institute" Matsuoka, Jon K                                  School of Social Work To provide support of Hawaii Family Support Institute projects.	\$21,870
University of Hawaii Foundation "Teaching Korean Pronunciation" Park, Mee Jeong                                  Department of East Asian Languages and Literatures Pay for Graduate Research assistant salary.	\$2,000

## Funds Received from UH Foundation for 02/01/2009 - 02/28/2009

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$1,000
"Teaching Korean Pronunciation"	
Park, Mee Jeong	Department of East Asian Languages and Literatures
Pay for Graduate Research assistant salary.	

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,000
"Seafloor Hydrothermal Research"	
Martinez, Fernando	Hawaii Institute of Geophysics and Planetology
Further the instructional and research objectives of the University of Hawaii with the study of seafloor hydrothermal systems including sea-going expeditions, student training, and research into the formation, nature and evolution of seafloor hydrothermal systems.	

**Count:**    10

**Total:**        \$226,972

**Extramural Research Awards  
for the Month of  
February 2009  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DHHS-Dept of Health and Human Services	4	\$2,711,753	22.89%
DOD-Department of Defense	8	\$703,543	5.94%
DOE-Dept of Energy	2	\$1,085,476	9.16%
DOI-Dept of Interior	6	\$261,619	2.21%
Hawaii- Business and Other	3	\$296,695	2.50%
Hawaii- Government Agencies	6	\$598,374	5.05%
Hawaii- Health Organizations	2	\$223,660	1.89%
Hawaii- Non-Profit Organizations	4	\$97,950	0.83%
Mainland- Business and Other	8	\$426,719	3.60%
Mainland- Non-Profit Organizations	2	\$194,423	1.64%
National Aeronautics and Space Administration	4	\$4,261,099	35.96%
National Science Foundation	6	\$868,984	7.33%
US Colleges and Universities	2	\$118,761	1.00%
<b>Total:</b>	<b><u>57</u></b>	<b><u>\$11,849,056</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards  
for the Month of  
February 2009  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DHHS-Dept of Health and Human Services	1	\$86,000	2.30%
DOD-Department of Defense	1	\$55,000	1.47%
Federal Agencies	1	\$87,000	2.33%
Foreign	3	\$118,520	3.17%
Hawaii- Business and Other	7	\$593,712	15.90%
Hawaii- Government Agencies	15	\$1,510,800	40.46%
Hawaii- Health Organizations	1	\$75,506	2.02%
Hawaii- Non-Profit Organizations	11	\$367,009	9.83%
Mainland- Business and Other	1	\$15,000	0.40%
Mainland- Non-Profit Organizations	1	\$8,000	0.21%
National Aeronautics and Space Administration	1	\$40,000	1.07%
National Science Foundation	1	\$179,838	4.82%
US Colleges and Universities	5	\$597,400	16.00%
<b>Total:</b>	<b><u>49</u></b>	<b><u>\$3,733,785</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/08 - 02/28/09  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	61	\$6,798,696	3.72%
DHHS-Dept of Health and Human Services	69	\$42,730,719	23.38%
DOC-Dept of Commerce	49	\$19,507,047	10.67%
DOD-Department of Defense	57	\$29,091,305	15.91%
DOE-Dept of Energy	15	\$7,575,725	4.14%
DOI-Dept of Interior	33	\$2,688,589	1.47%
Federal Agencies	5	\$2,431,879	1.33%
Foreign	12	\$3,371,585	1.84%
Hawaii- Business and Other	26	\$3,649,124	2.00%
Hawaii- Government Agencies	109	\$15,351,424	8.40%
Hawaii- Health Organizations	14	\$1,050,824	0.57%
Hawaii- Non-Profit Organizations	43	\$2,275,821	1.25%
Mainland- Business and Other	69	\$9,787,083	5.35%
Mainland- Health Organizations	8	\$472,578	0.26%
Mainland- Non-Profit Organizations	16	\$1,214,451	0.66%
Miscellaneous	2	\$102,891	0.06%
National Aeronautics and Space Administration	50	\$11,386,397	6.23%
National Science Foundation	75	\$19,347,224	10.58%
US Colleges and Universities	45	\$3,962,857	2.17%
<b>Total:</b>	<b><u>758</u></b>	<b><u>\$182,796,219</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards**  
**Year to Date: 07/01/08 - 02/28/09**  
**Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	16	\$4,237,277	4.01%
DHHS-Dept of Health and Human Services	28	\$8,153,030	7.72%
DOC-Dept of Commerce	11	\$1,502,530	1.42%
DOD-Department of Defense	13	\$2,967,734	2.81%
DOI-Dept of Interior	29	\$1,746,864	1.65%
ED-Dept of Education	68	\$27,744,169	26.26%
Federal Agencies	19	\$4,898,507	4.64%
Foreign	16	\$2,901,250	2.75%
Hawaii- Business and Other	47	\$7,013,111	6.64%
Hawaii- Government Agencies	137	\$22,558,935	21.35%
Hawaii- Health Organizations	31	\$6,596,587	6.24%
Hawaii- Non-Profit Organizations	69	\$3,715,634	3.52%
Mainland- Business and Other	9	\$532,307	0.50%
Mainland- Health Organizations	2	\$12,000	0.01%
Mainland- Non-Profit Organizations	15	\$380,478	0.36%
Miscellaneous	2	\$4,800	0.00%
National Aeronautics and Space Administration	6	\$2,045,005	1.94%
National Science Foundation	12	\$5,619,561	5.32%
US Colleges and Universities	28	\$3,008,875	2.85%
<b>Total:</b>	<b><u>558</u></b>	<b><u>\$105,638,654</u></b>	<b><u>100%</u></b>